FIRE SUPPORT: ARMY XXI + & AAN STABILIZED SECONDARY ARMAMENTS

CLAWS

COMPACT LIGHTWEIGHT ARMORED WEAPON STATION

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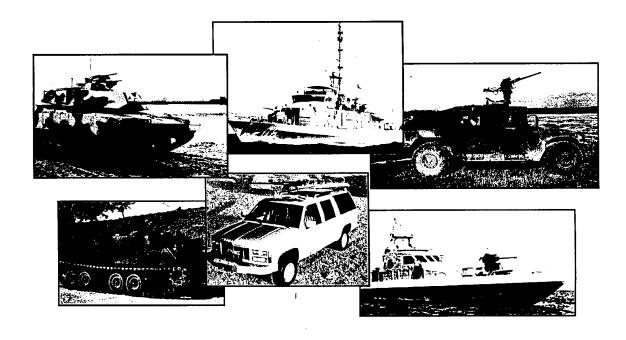
Vehicles and

Marine Craft



ELAWS

Compact-Lightweight Armored Weapon Station



Kollmorgen Corporation

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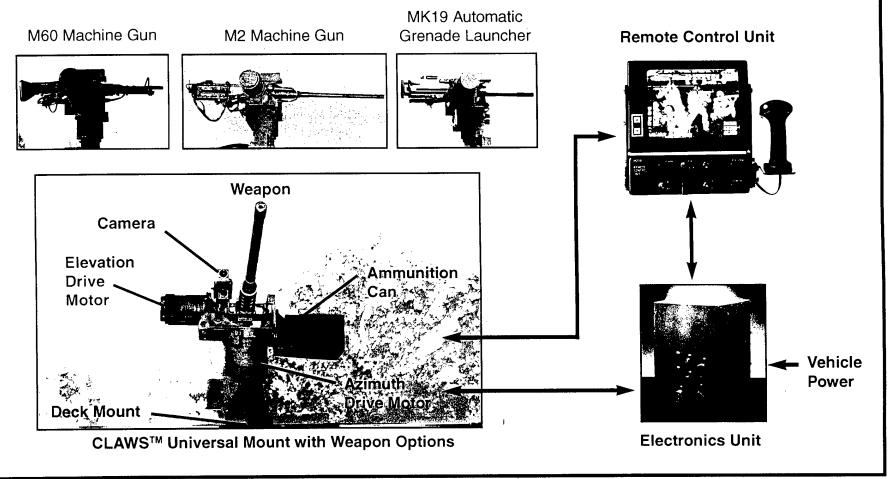
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Electro-Optical

WEAPON CONTROL SYSTEMS

ELAWSTM

System Overview



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WEAPON CONTROL SYSTEMS



System Features

- 2-Axis Universal Weapon Mount
- Accepts Standard M2, M60 and MK19 Weapons
- Remote Control for improved operation and protection of operator
- PC based digital controls
- Flat Panel Display with Graphics Overlay
- Handgrip EL/AZ and Firing Trigger
- Firing Modes
 - Remote
 - Remote Stabilized (optional)



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WEAPON CONTROL SYSTEMS



Specifications

System

■ Electronic Drive 0.1° to 45° / sec

60° / sec² acceleration

■ Pointing Accuracy < 1 milliradian</p>

Television
High Resolution CCD Camera

Resolution > 470 horizontal lines RS170

■ Fire Control Electronic Reticle with Ballistic Look Up Tables

■ Power 24 VDC 40 Amps/Peak

—20 Amps/Running

-5 Amps/In Idle



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WEAPON CONTROL SYSTEMS



Specifications

Mount

■ Control -15° to +45° Elevation

■ Train Continuous 360° rotation

Weapon to Mount Mechanical Interface

"Standard" Cradle

■ Mount to Vehicle Interface (for "stiff" mounting)

Bolt down adapter

with electrical

penetrator

Security/Safety

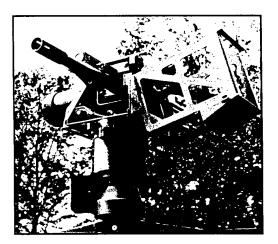
IAW MIL-STD 454

■ Ready Ammo (# Rounds)

M2M60

MK19
 64 (with dunnage removed)

■ Ammo Reload < 2 minutes</p>



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Specifications

Sizes & Weights

■ Gun Mount

Size 635mm (25.0") height

970mm (38.2") swing radius for M2 weapon

523mm (20.6") swing radius for MK19 weapon

521mm (20.5") swing radius for M60 weapon

Weight 67Kg (150 pounds) less weapon and ammo

■ Electronics Unit

Size
 363 mm x 267 mm x 273 mm (approx. 11"x 10"x 14")

Weight 12.7Kg (28 pounds)

■ Remote Control Unit

- Size 280mm x 285mm x 76mm (approx. 11"x 14"x 3")

Weight 5Kg (11 pounds)

Men 1/00

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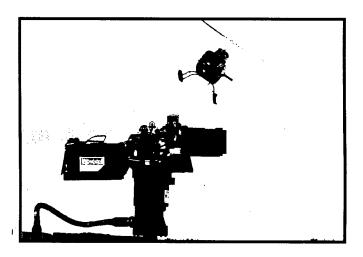
WEAPON CONTROL SYSTEMS



Options

- Stabilization
 - Enhanced target engagement
- Sensors
 - Infrared Camera
 - Low Light Level TV
 - Laser Range Finder
- Remote Changing and Safing
- Soft Weapon Mount
- Ammo Counter
- Auto Video Tracking
- Digital Control & Display Variations

- Fire Control Enhancements
- Other Weapons
 - 7.62 Minigun
 - Missiles



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WEAPON CONTROL SYSTEMS



Summary

- Lightweight, cost effective universal weapon for Armored Vehicles or Naval platforms
- High accuracy remote operation
- Easy installation, minimal vehicle/boat modifications, surface mounted
- Flexible / Modular design allows upgrades and/or tailored configurations

